

WHAT IS CLAIMED IS:

1. A method of causing energy-saving facilities to be introduced into a customer and collecting the costs of the energy-saving facilities, comprising the steps of:

predicting the reduced amount of running cost of the energy-saving facilities for a predetermined period based on a prediction of operation of a target customer to which the energy-saving facilities are to be sold; and

inputting an actual operational status of the energy-saving facilities into a storage device, periodically computing the reduced amount of the running cost for the predetermined period by means of a computing device, and periodically collecting an amount based on the reduced amount of the running cost.

2. A system for collecting the costs of an energy-saving facility installed to a customer, comprising:

means for storing a predicted reduced amount of running cost of the energy-saving facilities for a predetermined period, the reduced amount calculated based on a prediction of operation of a customer;

means for monitoring an actual operational status of the energy-saving facilities;

means for calculating a reduced amount of the running cost on the basis of an actual operational status of the energy-saving facilities, the status is obtained from the

remote monitoring part; and

means for collecting from the customer an amount reflecting the reduced amount of the running cost.

3. A system for collecting the costs of energy-saving facilities, comprising:

an operation data holding and storing server provided with a database having data including operation data of a facility installed in a customer and the amount of use of energy as history of a operation of the facility; and

a business enterpriser server having a database stored data transmitted from the operation data holding and storing server via communication means, a calculation part calculating a reduced amount of running cost from the operation data and the amount of use of energy, and a communication part notifying a financial institution terminal of data indicative of the reduced amount of the running cost in order to be drawn from an account of the customer and to be transferred to an account of the business enterpriser.

4. A system according to claim 3, the business enterpriser server further comprising:

a notify part notifying a customer terminal of an amount to be drawn from the account of the customer and the balance of repayment.

5. A system according to claim 3, the business enterpriser server further comprising:

a notify part notifying a notification indicative of the completion of repayment to the terminal of the customer, when the balance of repayment becomes equal or close to zero.

6. A system according to claim 2, wherein the reduced amount of the running cost is calculated on the basis of facility operation cost prepared on the basis of the operation data of existing facilities of the customer.

7. A system according to claim 2, wherein means for calculating the reduced amount of the running cost having a plurality of representative operation patterns, and means for selection an approximate pattern from among the representative operation patterns according to the scale of the facilities, and means for calculation the reduced amount of the running cost on the basis of the selected representative operation pattern.

8. A system according to claim 2, wherein a collection period during which to collect the reduced amount of the selling price of the facilities sold to the customer is a predetermined period obtained by trial calculation in advance or a period which passes until a cumulative value of the reduced amount of the running cost reaches the reduced amount

of the selling price.

9. A system according to claims 2, further comprising means for notifying the customer of the reduced amount of the running cost via the Internet.

10. A system for causing energy-saving facilities to be introduced into a customer and collecting the costs of the energy-saving facilities, comprising:

a part which predictively computes the reduced amount of running cost of the energy-saving facilities for a predetermined period based on a prediction of operation of a target customer to which the energy-saving facilities are to be leased;

a lease charge determining part which determines a lease charge to reflect the reduced amount calculated by the predictive computation part;

a part which remotely monitors an actual operational status of the leased energy-saving facilities;

a computation part which periodically calculates the reduced amount of the running cost for the predetermined period on the basis of an actual operational status of the leased energy-saving facilities, which status is obtained from the remote monitoring part; and

a collection part which periodically collects from the customer an amount which reflects the reduced amount of the

running cost.

11. A system for causing energy-saving facilities to be introduced into a customer and collecting the costs of the energy-saving facilities, according to claim 10, wherein the collection part which periodically collects from the customer the amount which reflects the reduced amount of the running cost is realized by determining the lease charge inclusive of a flat-rate energy charge.

12. A method of collecting the costs of an energy-saving facility installed into a customer, comprising the steps of:

measuring an actual operating status of the energy-saving facility;

calculating a reduced amount of the running cost of the energy-saving facility against non-energy-saving facility, based on the actual operating status for the predetermined period;

deciding an amount to be drawn from the customer account based on the reduced amount of the running cost and a predicted reduced amount of running cost of the energy-saving facility for a predetermined period; and

arranging withdrawing the amount decided based on the reduced amount of the running cost from a customer account.

13. The method of claim 12, wherein an amount of use of energy of the facility is measured as the actual operating status of the energy-saving facility.

14. The method of claim 12, wherein a amount of use of day power and a amount of use of midnight power of the installed facility is measured as the actual operating status of the energy-saving facility.

15. The method of claim 12, wherein the reduced amount of the running cost calculated based on a difference between a charge for the use of day-time power and the charge for the use of midnight-time power by the facility.

16. The method of claim 12, wherein the amount decided based on the reduced amount of the running cost is decided including the maintenance fee.

17. The method of claim 12, wherein the amount decided based on the reduced amount of the running cost is decided including a energy charge.

18. A method of collecting the costs of an energy-saving facility installed into a customer, comprising the steps of:

storing a data of an actual operating status of the

energy-saving facility;

calculating a reduced amount of the running cost of the energy-saving facility against non-energy-saving facility, based on the actual operating status for the predetermined period;

deciding an amount to be drawn from the customer account based on the reduced amount of the running cost and a predicted reduced amount of running cost of the energy-saving facility for a predetermined period; and

arranging withdrawing the amount decided based on the reduced amount of the running cost from a customer account.

19. The method of claim 18, wherein an amount of use of energy of the facility is measured as the actual operating status of the energy-saving facility.

20. The method of claim 18, wherein a amount of use of day power and a amount of use of midnight power of the installed facility is measured as the actual operating status of the energy-saving facility.

21. The method of claim 18, wherein the reduced amount of the running cost calculated based on a difference between a charge for the use of day-time power and the charge for the use of midnight-time power by the facility.

22. A server of collecting the costs of an energy-saving facility installed into a customer, comprising:

a memory storing a data of an actual operating status of the energy-saving facility;

a calculating unit calculating a reduced amount of the running cost of the energy-saving facility against non-energy-saving facility, based on the actual operating status for the predetermined period, and deciding an amount to be drawn from the customer account based on the reduced amount of the running cost and a predicted reduced amount of running cost of the energy-saving facility for a predetermined period.

23. A method of causing energy-saving facilities to be introduced into a customer and collecting the costs of the energy-saving facilities, comprising the steps of:

predicting the reduced amount of running cost of the energy-saving facilities for a predetermined period based on a prediction of operation of a target customer to which the energy-saving facilities are to be sold; and

selling the energy-saving facilities at a selling price which reflects the predicted reduced amount; and

inputting an actual operational status of the energy-saving facilities into a storage device, periodically computing the reduced amount of the running cost for the predetermined period by means of a computing device, and



periodically collecting an amount based on the reduced amount of the running cost.

24. A system for causing energy-saving facilities to be introduced into a customer and collecting the costs of the energy-saving facilities, comprising:

a part which predictively computes the reduced amount of running cost of the energy-saving facilities for a predetermined period based on a prediction of operation of a target customer to which the energy-saving facilities are to be sold;

a part which sells the energy-saving facilities at a selling price which reflects the reduced amount calculated by the predictive computation part;

a part which remotely monitors an actual operational status of the sold energy-saving facilities;

a computation part which periodically calculates the reduced amount of the running cost for the predetermined period on the basis of an actual operational status of the sold energy-saving facilities, which status is obtained from the remote monitoring part; and

a collection part which periodically collects from the customer an amount which reflects the reduced amount of the running cost.

25. A system for collecting the costs of energy-saving facilities, comprising:

an operation data holding and storing server provided with a database in which data including operation data of facilities of a customer and the amount of use of energy is recorded in the form of history;

a business enterpriser terminal which acquires and stores via communication means the data of the facilities of the customer stored in the operation data holding and storing server;

a calculation part which calculates the reduced amount of running cost of the facilities of the customer from the operation data and the amount of use of energy; and

a communication part which notifies a financial institution terminal of data indicative of the reduced amount of the running cost in order to cause the reduced amount of the running cost calculated by the calculation part to be drawn from an account of the customer and to be transferred to an account of the business enterpriser.

26. A system for collecting the costs of energy-saving facilities according to claim 25, further comprising a part which notifies a terminal of the customer of an amount to be drawn from the account of the customer as well as the balance of repayment, via the Internet.

27. A system for collecting the costs of energy-saving facilities according to claim 26, wherein in the case where the balance of repayment becomes equal or close to zero, a notification indicative of the completion of repayment is transmitted from the business enterpriser terminal to the terminal of the customer via the Internet.

28. A system for collecting the costs of energy-saving facilities according to claim 24, wherein the reduced amount of the running cost is calculated on the basis of facility operation cost prepared on the basis of the operation data of existing facilities of the customer.

29. A system for collecting the costs of energy-saving facilities according to claim 24, wherein a part which predictively computes the reduced amount of the running cost has a part which stores plural representative operation patterns, selects an approximate pattern from among the representative operation patterns according to the scale of the facilities, and calculates the reduced amount of the running cost on the basis of the selected representative operation pattern.

30. A system for collecting the costs of energy-saving facilities according to claim 24, wherein a collection period during which to collect the reduced amount of the selling

price of the facilities sold to the customer is a predetermined period obtained by trial calculation in advance or a period which passes until a cumulative value of the reduced amount of the running cost reaches the reduced amount of the selling price.

31. A system for collecting the costs of energy-saving facilities according to claim 24, further comprising a part which remotely measures the amount of use of energy of the facilities, actually calculates the reduced amount of the running cost of the facilities, and notifies the terminal of the customer of the reduced amount of the running cost via the Internet.

32. A system for causing energy-saving facilities to be introduced into a customer and collecting the costs of the energy-saving facilities, comprising:

a part which predictively computes the reduced amount of running cost of the energy-saving facilities for a predetermined period based on a prediction of operation of a target customer to which the energy-saving facilities are to be leased;

a lease charge determining part which determines a lease charge to reflect the reduced amount calculated by the predictive computation part;

a part which remotely monitors an actual operational

status of the leased energy-saving facilities;

a computation part which periodically calculates the reduced amount of the running cost for the predetermined period on the basis of an actual operational status of the leased energy-saving facilities, which status is obtained from the remote monitoring part; and

a collection part which periodically collects from the customer an amount which reflects the reduced amount of the running cost.

33. A system for causing energy-saving facilities to be introduced into a customer and collecting the costs of the energy-saving facilities, according to claim 32, wherein the collection part which periodically collects from the customer the amount which reflects the reduced amount of the running cost is realized by determining the lease charge inclusive of a flat-rate energy charge.